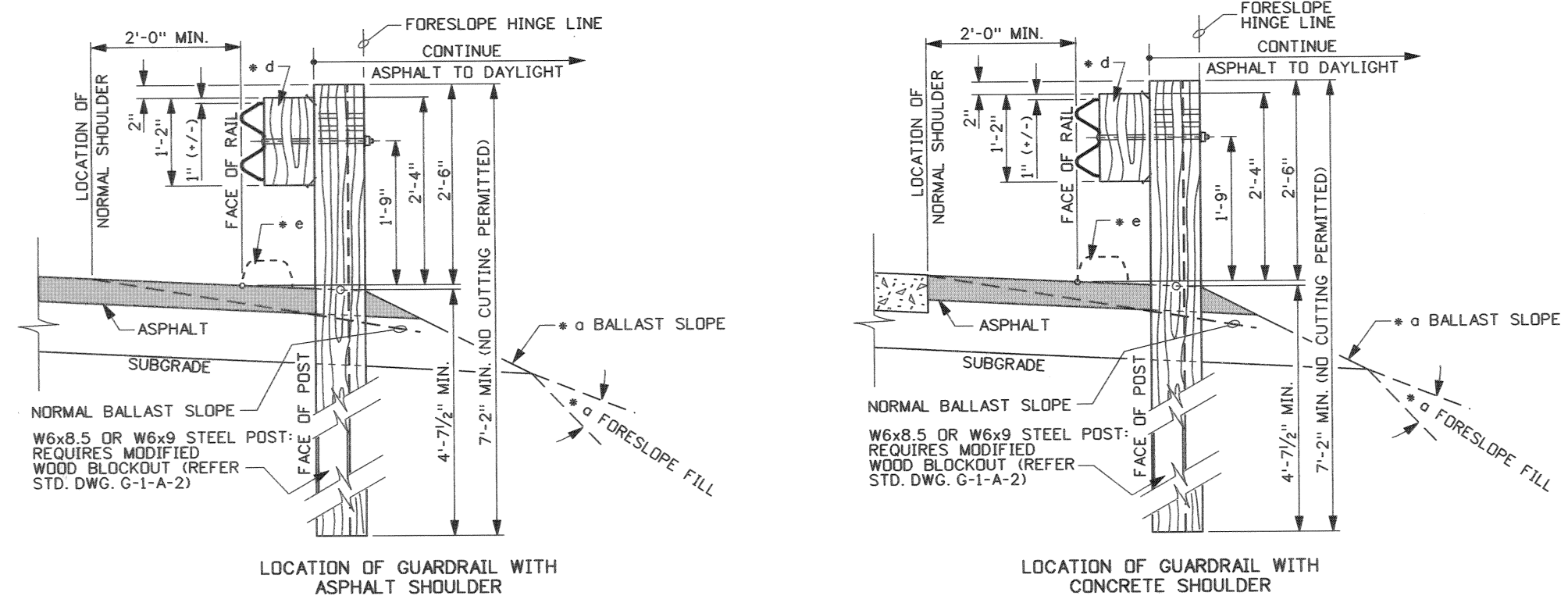


STANDARD GUARDRAIL & SLOPE TREATMENT - TYPE A INSTALLATION



7'-2" POST ALTERNATE & SLOPE TREATMENTS - TYPE B INSTALLATION

SLOPE REQUIREMENTS (MINIMUM)	
* a	BALLAST SLOPE SAME AS FORESLOPE BUT NOT STEEPER THAN 2:1.
* b	4'-8" MIN. IN DIFFICULT TERRAIN.
* c	1'-0" MIN. FROM BACK OF POST TO FORESLOPE HINGE LINE IN DIFFICULT TERRAIN.
* d	BLOCKOUT TYPE, SEE STD. DWG. G-1-A-3
USE OF CURB	
* e	SEE NOTE NO. 5 (REFER TO STD. DWG. G-1-A-2)

NOTES

1. THE 6'-0" STANDARD POST DESIGN (TYPE A INSTALLATION) SHALL BE INSTALLED UNLESS THE 7'-2" POST ALTERNATE DESIGN (TYPE B INSTALLATION) IS SPECIFIED ON THE PLANS. TYPE B INSTALLATION SHALL ONLY BE USED WHEN ALL OTHER REMEDIES HAVE BEEN ELIMINATED BECAUSE OF ENVIRONMENTAL CONSIDERATIONS OR DIFFICULT ROADSIDE CONDITIONS. WHEN USED THE FOLLOWING CONDITIONS MUST BE MET:
 - I. APPROVAL OF USE IN CONCEPT REVIEW PROCESS.
THE BALLAST AND FORESLOPE SHALL BE 2:1 OR FLATTER BEGINNING AT THE BACK OF THE GUARDRAIL POST.
 - II. THE SOIL FOUNDATION OF EACH POST SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD DENSITY.
 - III. SURFACING SHALL CONTINUE BEHIND THE POST AND IF DISTURBED DURING INSTALLATION IT SHALL BE REPAIRED OR REPLACED.
 - IV. ON ROADS SURFACED WITH A BST, A 0.2" MIN. THICKNESS OF ASPHALT SURFACING SHALL BE PLACED AROUND EACH POST AND A V. 2'-0" MINIMUM PLACED LONGITUDINALLY WITH GUARDRAIL.
2. THE SLOPE OF THE SURFACE BETWEEN THE EDGE OF THE SHOULDER AND THE HINGE LINE SHOULD BE THE SAME AS THE ADJACENT ROADWAY SLOPE.
3. THE GUARDRAIL POSTS SHALL BE PLUMBED AND SET VERTICALLY. REFER TO SECTION 612 - GUARDRAIL, OF THE ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
4. GUARDRAIL POST SPACING SHALL BE 6'-3" C.T.C. UNLESS OTHERWISE SHOWN.
5. WHEN CURB IS CALLED FOR THE CURB FACE SHALL BE LOCATED ALONG THE FACE OF RAIL. REFER TO STANDARD DRAWING G-1-A-2 FOR CURB INSTALLATION DETAILS AND STANDARD DRAWING H-1 FOR CURB TYPES.
6. NOT TO SCALE.

REVISIONS											
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	3-89	GB	6	1-97	WC	11	8-00	MSM	15	4-06	MSM
2	3-90	GB	7	6-97	MSM	12	6-01	MSM			
3	6-90	GB	8	7-98	RG	13	10-02	MSM			
4	7-92	MSM	9	2-00	MSM	14	12-03	MSM			
5	2-96	MSM	10	6-00	MSM	15	10-04	MSM			

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
glai0406.std

DRWG. ORIG. DATE:
MAY, 1989

IDAHO
TRANSPORTATION
DEPARTMENT

BOISE IDAHO

Assistant Chief Engineer (Development)
Steve C. Johnson
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STANDARD DRAWING

GUARDRAIL SLOPE TREATMENT
TYPES A & B

English

STANDARD DRWG. NO.
G-1-A-1

SHEET 1 OF 1

